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THIS IS UNEVALUATED INFORMATION

- Aircraft engineers and experts for rocket ballistics for the DDR were trained at Faculty III/C of the Dresden Institute of Technology. Professor Dr Richter (fnu), primarily a good party member, was dean of the faculty. Training courses started in the fall semester in 1953. Ever since, the faculty had been enlarged and improved. The individual institutes were located on 24 Duererstrasse, Dresden A 16, in buildings of a former medical research institute and in other newly constructed buildings. This faculty was the only institution in East Germany with an independent lesture staff.
- 2. The faculty included the following institutes:
 - Aerodynamics, director Professor Dr Richter who was also dean of the faculty.
 - Flight measuring techniques under Professor Dr Clausnitzer (fnu)
 - Airframe constructions under Professor come from the Rostock University.
 - d. Light construction technology, chief Professor Dr Vandersee (fnu) and as assistant Dr Bredendieck (fnu) who had returned with the Junkers Group in 1954.
 - Technical mechanics, director recidt (fnu) who had returned with Dipl Brunen
 - f. Aircraft engines and metal aircraft constructions, chief honorary professor Dipl Ing Baade.
 - Hermann) Oscillation science, chief Dipl Ing.

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- h. Ballistics; chief Dipl Ing Franz Schaadt. This institute was to be established and to start classes in the spring semester of 1955.
- i. Aviation medicine was planned but no preparations for the establishment were seen.
- 3. The spring semester lasting from February to June was the first semester for chemical and mechanical engineers. The fall semester. lasting from September to December was the first semester for mathematicians, physicists and construction engineers. Examinations were held in July, and vacations or practical courses were to be taken in August. For the spring semester of 1955 the number of students at the III/C faculty was to be increased from 500 to 800. According to a new basic arrangement the 400 new students were to start with their four basic semesters at Dresden, and not at other universities as the students of previous semesters had done.
- 4. During the fall Bounster in 1953 and the spring semester of 1954, mathematics at Faculty I. Head. an of this faculty. In the fall to lecture on ballistics at 77), 1 Faculty III/C. He had eight students who had completed four semesters either at the Rostock University or at the Rostock Institute of Ship Engine Construction. During their fifth, sixth and seventh semesters these students were to study at the institute of aerodynamics at Faculty III/C in Dresden. The above-mentioned lectures in the field of ballistics were given to students in the eighth semester during the Fall of 1954. A ninth semester was to follow.

Ballistics Curriculum

5. It was planned that Dipl Ing Schaadt would lecture on ballistics for the eighth and ninth semesters. He presented the training program for the eighth semester, based on principles of Professor Kranz (fnu), to the dean who approved it. According to its basic principles this program which covered only the field of interior ballistics was as follows:

Repetition of fundamental mechanical science and thermodynamics. Abel equation.

Determination of powder constants (Pulverkonstanten). Principles of combustion according to Vieller (fnu), Chaponger (fnu), Krupp-Schmitz (fnu) and others (all names melled phonet-

ically). The establishment of the interior ballistic fundamental equation and its interpretation.

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9.	The faculty sponsored the VPL unit stationed at Kamenz airfield. Although there was probably no student a VPL member, this sponsorship made it possible for them through glider training to make their pilot licenses for conventional and jet aircraft.	
.0.	The library at the Dresden Institute of Technology included 75 percent Soviet publications. The English and American literature available exceeded the insignificant German publications in quality and quantity.	
11.	Professor Dr Willers (fnu) was nominally in charge of the development of an electronic-somputing machine which was actually handled by Professor N.J. Lehmann who had two assistants and his own workshop. The project was scheduled to be completed by the end of 1955. It was learned that the device had the special advantage of operating with not more than 1,000 tubes. The computer was not to operate \$\frac{1}{2}\$ fast as the Mark 1 to Mark 4 type sets, but could do 1,000 additions per minute. Lehmann had recently visited Moscow and Prague, and Soviet professors who were interested in this dewelopment frequently visited Dresden.	
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